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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/828,271	04/21/2004	Yin-Hung Chen	OP-093000198	5444
7590	09/14/2005		EXAMINER	
Yi-Wen Tseng 4331 Stevens Battle Lane Fairfax, VA 22033			NGUYEN, HUNG THANH	
			ART UNIT	PAPER NUMBER
			2841	
DATE MAILED: 09/14/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/828,271

Applicant(s)

CHEN, YIN-HUNG

Examiner

HUNG T. NGUYEN

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 April 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 2 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 2 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1-2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Guyer et al. (US 6583989) in view of Snyder et al (US 4318489).

Regard claim 1: Guyer et al. discloses in figures 9 -13 a computer casing having a front board, a back board, a bottom board, a top board, a left side board and a right side board, comprising: an internal space (85) formed by the front board, the back board, the bottom board, the top board, the left side board and the right side board, for mounting a mother board (89-1, 89-2), a CPU (91-2), a heat dissipating device (157) and plural electrical elements (connection between CPU, modules) therein, wherein the heat dissipating device (157) is mounted on the CPU (91-2); and a supporting structure (plurality holes surrounded at the edge of the motherboard) formed on the bottom board (79) corresponding to a location of the CPU (91-2) and the heat dissipating device (157), wherein the supporting structure (plurality holes surrounded at the edge of the motherboard) includes a dent portion to provide a structural strength stronger than any other part of the bottom board.

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Guyer et al. does not disclose a dent portion to provide a structural strength stronger than any other part of the bottom board.

Snyder et al. discloses a dent portion to provide a structural strength stronger than any other part of the bottom board.

Guyer et al. and Snyder et al. are analogous art because they are from the same field of endeavor to make supporting structure stronger.

At the time of the invention, it would have been obvious to a person of ordinary skill in the art, to make the dent over Guyer to provide a structural strength stronger as taught by Snyder et al.

Therefore, it would have been obvious to combine Guyer et al. with Snyder et al. for the benefit of providing a structural strength stronger.

Regard claim 2: Guyer et al. discloses all the elements of the computer casing as described above with respect to claim 1, wherein the supporting structure further includes a plurality of pillars (see the plurality pillars on the edge of the motherboard) protruded at four corners thereof. However, Guyer does not disclose a plurality of fixing elements are used to fix the heat dissipating device to the mother board by passing through the mother board to screw in corresponding pillars.

However, it is well known for a person of ordinary skill in the art to have a plurality of fixing elements are used to fix the heat dissipating device to the mother board by passing through the mother board to screw in corresponding pillars.

At the time of the invention, it would have been obvious to a person of ordinary skill in the art, to make fixing elements to reduce heat.

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Therefore, it would have been obvious to have the fixing elements for the benefit of reducing heat.

Relevant Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The Diaz et al. (US 6549397) teaches the Tower Computer With Low Center of Gravity, Hudson et al. (US 5159534) teaches the Electronic Packaging Arrangement, Jackson et al. (US 6452809) teaches Scalable Internet Engine, Lee (US 6396684) teaches Structure of Tower-Type Personal Computer and Ugarelli (US 5261543) teaches Plastic Bottle for Containing both Pressure and Non Pressure.

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to HUNG T. NGUYEN whose telephone number is 571-272-5983. The examiner can normally be reached on 8:00AM - 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, KAMMIE CUNEO can be reached on 571-272-1957. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

HN

Hung Thanh Nguyen

August 4, 2005


KAMAND CUNEO
SUPERVISORY PATENT EXAMINER
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